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XIII. *A Representation of the Parhelia seen in Kent, Dec. 19. 1741. communicated in a Letter from the Rev^d Mr. H. Miles, to John Eames, F. R. S. and an Account of the same, as seen by Mrs. Tennison at Canterbury.*

S I R,

Read Feb. 25. 1741-2. **I** Had Yesterday the Favour of yours of the 23d Instant, for which I return you my very hearty Thanks; particularly for the Honour you put on my brief Account of the Height of the Liquors in my Thermometers,* in communicating it to the ROYAL SOCIETY.

As no one wishes the Prosperity of that illustrious Body more truly than I do, I should think myself happy, were I able to do any thing to promote the Design of it, or to gratify any of its worthy Members.

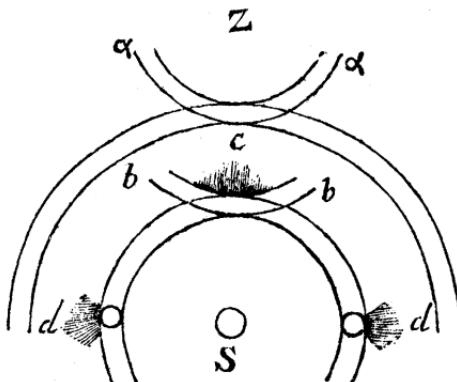
I have inclos'd a Draught of the *Parhelia* seen in Kent the 19th of *December* last, as I took it from a private Letter sent from thence to a Gentleman in this Town: The Writer of the Letter is not so particular in his Account of it as could be wish'd: His Words were to this Purpose: " As to the Appearance of the Mock-Suns on the 19th of *December*, I have inclos'd a Scheme, such as I could draw, in which you may observe *S* is the Sun, *Z* the *Zenith*—*aa* an inverted Rainbow of the most lively Colours; the Mock-Suns *dd* were sometimes almost too bright to look upon, and then they seem'd round,

* See *above*, p. 20.

“ but

“ but often were fring’d (as drawn) with the prismatic Colours; the Arch *bb* was but faint, and a whitish Light in the inner Part described at *c*. The Appearance ended about Noon, or rather a little before Twelve; how early the Whole was to be seen, I do not know.”

The two largest Semicircles, I find no Notice taken of.—



On *Tuesday* the 19th Instant, at 10 at Night, being the Time I generally register the Account of the Barometer and Thermometer, I found the Mercurial Thermometer abroad, at 20 Degrees above 0, or freezing Point: This I thought Extraordinary, and for that Reason I consulted my Register of last Year, and found 16 Mornings and 13 Evenings in *May* colder Air. And in *April* there were two Mornings and three Evenings only, a warmer Air. I am

*Your most obliged and
most humble Servant,*

Wind was West all Day 19th, and began to rise when I made the Observation, at going to Bed.

H. Miles.

• Dr.

‘ Dr. Stukeley likewise gave in a Scheme of the same Appearance, as it was seen at *Canterbury* 10 h. 12 m. ‘ Dec. 19. 1741. in which the Light at c. was not taken Notice of. He copied it from a Drawing made by Mrs. *Tennison*, who sent it in a Letter to his Grace the Archbishop of *Canterbury*.’ C. M.

XIV. EXPERIMENTS, *by way of Analysis, upon the Water of the Dead Sea; upon the Hot Spring near Tiberiades; and upon the Hammam Pharoan Water; by Charles Perry, M.D. made on his Journey through the Holy Land, &c.*

EXPERIMENTS (*by way of Analysis*) *upon the Water of Asphaltis, commonly called the Dead Sea.*

EXPERIMENT I.

*Read Feb. 25.
1741-2.* UPON steeping or infusing some Scrapings of Gall in it, (after standing a long time) it turn'd of a bright purple Colour.

EXPERIMENT II.

Upon the Instillation of *Ol. Tartari per Deliq.* it immediately became troubled or muddy, and seem'd as if Goblets of Fat were fluctuating in it. This unctuous Matter, upon long standing in Repose, came